

Substitute for forms 1449A/PTO & 1449B/PTO

ATTORNEY'S DKT NO.
031786-046APPLICATION NO.
09/692,623INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Stephen M. BOYLE et al.FILING DATE
October 20, 2000GROUP
1645

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
JG	5,747,028		Stephen B. Calderwood et al.	05-05-1998
	6,036,953		Edward T. Ryan et al.	03-14-2000
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Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
JG	J.B. KAPER et al., "New and Improved Vaccines Against Chlorea", New Generation Vaccines, 2nd Edition, Chap.33:447-468 (1997), Marcel Dekker, Inc., New York
	J. OSEK et al., "Improved Medium for Large-Scale Production of Recombinant Cholera Toxin B Subunit for Vaccine Purposes", J. Microbio. Methods, 24:117-123 (1995), Elsevier Science B.V.
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	M. DAS ET AL., "Antisera to Selected Outer Membrane Proteins of <i>Vibrio cholerae</i> Protect Against Challenge with Homologous and Heterologous Strains of <i>V. cholerae</i> ", FEMS Immunology and Med. Microbiol. 22 :303-308 (1998)
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	N. DHIMAN ET AL., "Mycobacterial Proteins-Immune Targets for Antituberculous Subunit Vaccine", Indian Journal of Experimental Biology, Vol. 37:1157-1166, (Dec. 1999)
	C. HETZEL ET AL., "An Epitope Delivery System for Use with Recombinant Mycobacteria", Infect. and Immun., Vol. 66, No. 8:3643-3648, (Aug. 1998) Am Society for Microbio.
	J. HOLMGREN ET AL., "MECHANISMS OF DISEASE AND IMMUNITY IN CHOLERA: A REVIEW", THE JOURNAL OF INFECTIOUS DISEASES, VOL. 136 SUPPLEMENT (AUG. 1977)

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Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
29	M.A. HORWITZ ET AL., "Recombinant bacillus Calmette-Guérin (BCG) vaccines Expressing the <i>Mycobacterium tuberculosis</i> 30-kDa Major Secretory Protein Induce..." PNAS Vol. 97, No. 25:13853-13858, (Dec. 5, 2000)
	Z. KOSSACZKA ET AL., "EVALUATION OF SYNTHETIC SCHEMES TO PREPARE IMMUNOGENIC CONJUGATES OF <i>VIBRIO CHOLERAE</i> O139 CAPSULAR POLYSACCHARIDE WITH CHICKEN SERUM ALBUMIN", GLYCOCONJUGATE JOURNAL 17, 425-433 (2000), KLUWER ACADEMIC PUBLISHERS
	E. MEDINA ET AL., "USE OF LIVE BACTERIAL VACCINE VECTORS FOR ANTIGEN DELIVERY: POTENTIAL AND LIMITATIONS", VACCINE 19:1573-1580 (2001), ELSEVIER SCIENCE LTD.
	M.D. MEEKS ET AL., "Immune Response Genes Modulate Serologic Responses to <i>Vibrio cholerae</i> TcpA Pilin Peptides", Infect. and Immun., Vol. 69, No. 12:7687-7694, (Dec. 2001), American Society for Microbiology
	A.S. PYM ET AL., "Recombinant BCG Exporting ESAT-6 Confers Enhanced Protection Against Tuberculosis", Nature Medicine, Vol. 9., No. 5:533-539 (May 2003)
	A.E. TORANZO ET AL., "Immunization with Bacterial Antigens: <i>Vibrio</i> Infections", Developments in Biol. Stand., Vol. 90:93-105 (1997)
	C. ZHENG ET AL., "Recombinant <i>Mycobacterium bovis</i> BCG Producing the Circumsporozoite Protein of <i>Plasmodium falciparum</i> ...", <i>Parasitology International</i> 51:1-7 (2002), Elsevier Science Ireland Ltd.
	P. ELZER ET AL., "Characterization 1-30 and genetic complementation of a <i>Brucella abortus</i> high-temperature-requirement A (htrA) deletion mutant", <i>Infection & Immunity</i> 62 No. 10:4135-4139 (October 1994)



Patent
Attorney's Docket No. 031786-046

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Stephen M. BOYLE et al.) Group Art Unit: 1645
Application No.: 09/692,623) Examiner: Jennifer E. Graser
Filed: October 20, 2000) Confirmation No.: 2200
For: AN OVER-EXPRESSING)
HOMOLOGOUS ANTIGEN VACCINE)
AND A METHOD OF MAKING THE)
SAME)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents cited are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c) the fee in the amount of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

10/22/2003 EFLORES 00000012 09692623

02 FC:1806

180.00 DP

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: October 17, 2003

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